



1 Claim 5. A system as claimed in Claim 1 in which the means for  
2 providing for each of the queries an executable query process includes  
3 means for changing the query processes for which results are required.

1 Claim 6. A system as claimed in Claim 1 in which the means for  
2 furnishing results of executed query processes to users comprises means  
3 for providing results to users whenever incremental changes in query  
4 results occur.

1 Claim 7. A system as claimed in Claim 6 in which the means for  
2 providing results to users whenever incremental changes in query results  
3 occur includes means for determining incremental changes in query  
4 results.

1 Claim 8. A system as claimed in Claim 1 in which the data sources  
2 comprise an event service.

1 Claim 9. A system as claimed in Claim 1 in which the means for  
2 furnishing results of executed query processes to users comprises an  
3 event service.

1 Claim 10. A system as claimed in Claim 1 in which the means for  
2 providing data sources comprises means for providing historical data.

1 Claim 11. A process for providing the incremental results caused by  
2 incrementally-occurring changes in data to complex queries comprising  
3 the steps of:

4 receiving complex queries posed by a plurality of users,

5 generating an executable query process for providing results required by  
6 each of the queries,

7 receiving data including events from data sources,

8 responding to events by executing all query processes having constraints  
9 satisfied by data sources to provide results required by each of the  
10 queries, and

11 furnishing results of executed query processes to users.

1 Claim 12. A process as claimed in Claim 11 in which the step of  
2 responding to events comprises testing whether constraints of a query  
3 process are satisfied by attributes of events.

1 Claim 13. A process as claimed in Claim 11 in which all query  
2 processes having constraints satisfied by data sources are executed  
3 simultaneously.

1 Claim 14. A process as claimed in Claim 11 in which a query process is  
2 persistent until removed.

1 Claim 15. A process as claimed in Claim 11 in which the step of  
2 generating an executable query process includes a step of changing the  
3 query process for which results are required while the process is  
4 functioning.

1 Claim 16. A process as claimed in Claim 11 in which the step of  
2 furnishing results of executed query processes to users comprises a step  
3 of providing results to users whenever incremental changes in query  
4 results occur.

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1 Claim 17. A process as claimed in Claim 16 in which the step of  
2 providing results to users whenever incremental changes in query results  
3 occur includes a step of determining incremental changes in query  
4 results.

1 Claim 18. A process as claimed in Claim 11 in which the step of  
2 receiving data including events from data sources utilizes an event  
3 service to furnish events.

1 Claim 19. A process as claimed in Claim 11 in which the step of  
2 furnishing results of executed query processes to users utilizes an event  
3 service.

1 Claim 20. A computer-implemented process as claimed in Claim 11 in  
2 which the step of receiving data including events from data sources  
3 includes receiving historical data from a source of historical data.